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CNF			<p><u>A method for combining radio link simulations and system simulations for a slow frequency hopped cellular system</u> Malkamaki, E.; de Ryck, F.; Mourot, C.; Urie, A. Vehicular Technology Conference, 1994 IEEE 44th , 1994 , Page(s): 1145 -1149 vol.2</p>
CNF			<p><u>Modelling frequency correlation of fast fading in frequency hopping GSM link simulations</u> Klingenbrunn, T.; Mogensen, P. Vehicular Technology Conference, 1999. VTC 1999 - Fall. IEEE VTS 50th Volume: 4 , 1999 , Page(s): 2398 -2402 vol.4</p>
CNF			<p><u>Radio link simulations in high-speed railway tunnels</u> Cichon, D.J.; Zwick, T.; Wiesbeck, W. Antennas and Propagation, 1995., Ninth International Conference on (Conf. Publ. No. 407) Volume: 2 , 1995 , Page(s): 216 -219 vol.2</p>
CNF			<p><u>Packet data capacity in a wideband CDMA system</u> Johansson, B.C.V. Vehicular Technology Conference, 1998. VTC 98. 48th IEEE Volume: 3 , 1998 , Page(s): 1878 -1883 vol.3</p>
CNF			<p><u>A dynamic importance sampling methodology for the efficient estimation of rare event probabilities in regenerative simulations of queueing systems</u> Devetsikiotis, M.; Townsend, J.K. Communications, 1992. ICC '92, Conference record, SUPERCOMM/ICC '92, Discovering a New World of Communications., IEEE International Conference on , 1992 , Page(s): 1290 -1296 vol.3</p>

CNF

**Coding techniques for memory and delay efficient interleaving in slow Rayleigh fading***Strater, J.W.*

Military Communications Conference, 1991. MILCOM '91, Conference Record, Military Communications in a Changing World., IEEE , 1991 , Page(s): 252 -256 vol.1

PER

**Reduction of modal noise in high-speed short-distance computer data links by an electrical signal***Hugli, R.; Bates, R.J.S.*

Lightwave Technology, Journal of
Volume: 9 12 , Dec. 1991 , Page(s): 1788 -1793

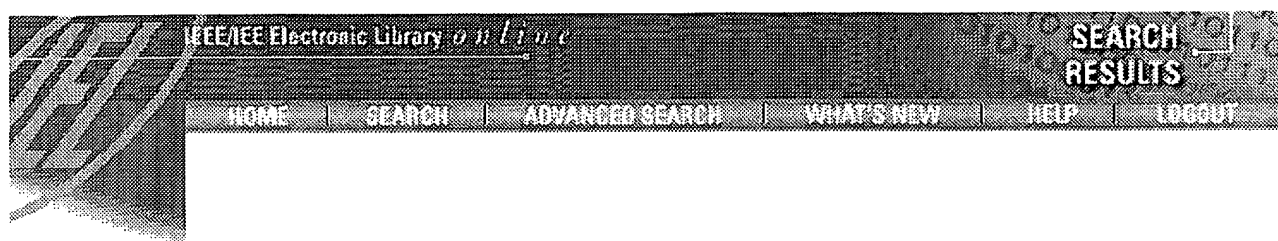
CNF

**Fully differential optical interconnects for high-speed digital systems***Li, C.-S.; Stone, H.S.; Olsen, C.M.*

Computer Design: VLSI in Computers and Processors, 1992. ICCD '92. Proceedings, IEEE 1992 International Conference on , 1992 , Page(s): 190 -193

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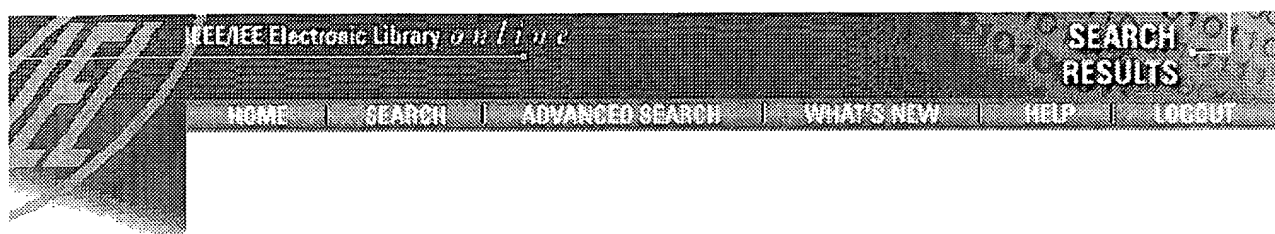
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DOC TYPE	VIEW ISSUE TOC	VIEW FULL PAGE	VIEW CITATION
CNF			<u>Dynamics and vibration control of a flexible robotic arm</u> <i>Wehrli, E.; Coiffet, P.</i> Advanced Robotics, 1991. 'Robots in Unstructured Environments', 91 ICAR., Fifth International Conference on , 1991 , Page(s): 132 -137 vol.1
CNF			<u>Self-tuning control of planar two-link manipulator with non-rigid arm</u> <i>Koivo, A.J.; Lee, K.S.</i> Robotics and Automation, 1989. Proceedings., 1989 IEEE International Conference on , 14-19 May 1989 , Page(s): 1030 -1035 vol.2
CNF			<u>Meteor burst link and network simulator</u> <i>Kilpatrick, J.A.; Weitzen, J.A.; Parl, S.A.</i> Military Communications Conference, 1990. MILCOM '90, Conference Record, A New Era. 1990 IEEE , 1990 , Page(s): 878 -883 vol.2

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CNF			<p><u>IEE Colloquium on 'Computer Modelling of Communication Systems' (Digest No.1994/115)</u> Computer Modelling of Communication Systems, IEE Colloquium on , 1994</p>
CNF			<p><u>A method for combining radio link simulations and system simulations for a slow frequency hopped cellular system</u> <i>Malkamaki, E.; de Ryck, F.; Mouroto, C.; Urie, A.</i> Vehicular Technology Conference, 1994 IEEE 44th , 1994 , Page(s): 1145 -1149 vol.2</p>
CNF			<p><u>Channel modelling and link simulation studies for the DECT test bed program</u> <i>Wilkinson, T.A.</i> Mobile Radio and Personal Communications, 1991., Sixth International Conference on , 1991 , Page(s): 293 -299</p>
CNF			<p><u>Modelling frequency correlation of fast fading in frequency hopping GSM link simulations</u> <i>Klingenbrunn, T.; Mogensen, P.</i> Vehicular Technology Conference, 1999. VTC 1999 - Fall. IEEE VTS 50th Volume: 4 , 1999 , Page(s): 2398 -2402 vol.4</p>
CNF			<p><u>GSM radio link simulation</u> <i>Lefebvre, D.</i> Radiocommunications in Transportation, IEE Colloquium on , 1995 , Page(s): 4/1 -4/8</p>
CNF			<p><u>Radio link simulations in high-speed railway tunnels</u> <i>Cichon, D.J.; Zwick, T.; Wiesbeck, W.</i> Antennas and Propagation, 1995., Ninth International Conference on (Conf. Publ. No. 407) Volume: 2 , 1995 , Page(s): 216 -219 vol.2</p>

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| CNF |  |  | <p><u>Simulation of the effect of site shielding on digital communication systems: from diffraction to global link performance</u>
 <i>Devos, A.; Vyncke, C.; Vander Vorst, A.</i>
 Antennas and Propagation, 1995., Ninth International Conference on (Conf. Publ. No. 407)
 Volume: 2 , 1995 , Page(s): 190 -194 vol.2</p> |
| CNF |  |  | <p><u>A GSM radio link simulation tool</u>
 <i>Ibbetson, L.J.; Lopes, L.B.</i>
 Computer Modelling of Communication Systems, IEE Colloquium on , 1994 , Page(s): 4/1 -4/6</p> |
| CNF |  |  | <p><u>An object oriented approach to radio link simulation</u>
 <i>Wales, S.W.</i>
 Communications Simulation and Modelling Techniques, IEE Colloquium on , 1993 , Page(s): 1/9 pp.</p> |
| CNF |  |  | <p><u>Application of multi-rate sampling techniques in a satellite communications link simulator</u>
 <i>Curnow, R.P.; Green, S.N.; Wishart, A.W.</i>
 Digital Processing of Signals in Communications, 1991., Sixth International Conference on , 1991 , Page(s): 163 -168</p> |
| CNF |  |  | <p><u>Modelling radio link performance in UMTS W-CDMA network simulations</u>
 <i>Klingenbrunn, T.; Mogensen, P.</i>
 Vehicular Technology Conference Proceedings, 2000. VTC 2000-Spring Tokyo. 2000 IEEE 51st
 Volume: 2 , 2000 , Page(s): 1011 -1015 vol.2</p> |
| CNF |  |  | <p><u>Performance of fixed wireless access WCDMA system with space diversity and power control</u>
 <i>Tarkiainen, M.; Lilja, H.; Vikstedt, J.; Jinlong Zhang</i>
 Vehicular Technology Conference, 1999 IEEE 49th
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| CNF |  |  | <p><u>An application of the "virtual spacecraft" concept in evaluation of the Mars Pathfinder Lander low gain antenna</u>
 <i>Pogorzelski, R.J.; Beckon, R.J.</i>
 Antennas and Propagation Society International Symposium, 1997. IEEE., 1997 Digest
 Volume: 1 , 1997 , Page(s): 558 -561 vol.1</p> |
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 <i>Keller, M.</i>
 Vehicular Technology Conference, 1997, IEEE 47th
 Volume: 3 , 1997 , Page(s): 1852 -1856 vol.3</p> |
| CNF |  |  | <p><u>Channel simulation of FH-SATCOM links in the 20/30 GHz frequency range</u>
 <i>Kohl, M.; Jondral, F.</i>
 Spread Spectrum Techniques and Applications Proceedings, 1996., IEEE 4th International Symposium on
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| CNF |  |  | <p><u>Optical link simulation using VHDL</u>
 <i>Seungug Koh; Lun Ye</i>
 Southeastcon '96. Bringing Together Education, Science and Technology.,
 Proceedings of the IEEE , 1996 , Page(s): 187 -190</p> |
| CNF |  |  | <p><u>Prediction of GSM performance using measured propagation data</u>
 <i>Joyce, R.M.; Ibbetson, L.J.; Lopes, L.B.</i>
 Vehicular Technology Conference, 1996. Mobile Technology for the
 Human Race., IEEE 46th
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| CNF |  |  | <p><u>Meteor burst link performance sensitivity to antenna pattern, power margin and range</u>
 <i>Desourdis, R.I., Jr.; Wojtaszek, J.H.; Merrill, S.C.; Hernandez, K.</i>
 Military Communications Conference, 1988. MILCOM 88, Conference
 record. 21st Century Military Communications - What's Possible? 1988
 IEEE , 1988 , Page(s): 257 -263 vol.1</p> |
| CNF |  |  | <p><u>Mobile satellite system performance through simulation</u>
 <i>Barts, R.M.; Kim, J.; Porter, R.; Pratt, T.; Stutzman, W.L.; Bostian, C.W.</i>
 Vehicular Technology Conference, 1990 IEEE 40th , 1990 , Page(s): 701
 -705</p> |
| PER |  |  | <p><u>Evaluation of HF multipath propagation effects on a novel data transmission scheme</u>
 <i>Al-Jalili, Y.O.</i>
 Electronics Letters
 Volume: 24 18 , 1 Sept. 1988 , Page(s): 1169 -1170</p> |
| CNF |  |  | <p><u>Use of advanced HF physical, link, and network simulators in the standards development process</u>
 <i>Hoffmeyer, J.; Bodson, D.</i>
 Frequency Selection and Management Techniques for HF
 Communications, IEE Colloquium on , 1996 , Page(s): 12/1 -12/7</p> |
| CNF |  |  | <p><u>Performance of WCDMA system with space diversity and power control in slowly fading channel models</u>
 <i>Tarkiainen, M.; Niva, I.; Kemppainen, P.</i>
 Wireless Communications and Networking Conference, 1999. WCNC.
 1999 IEEE , 1999 , Page(s): 674 -678 vol.2</p> |
| CNF |  |  | <p><u>Low-power access protocols based on scheduling for wireless and mobile ATM networks</u>
 <i>Sivalingham, K.M.; Srivastava, M.B.; Agrawal, P.; Jyh-Cheng Chen</i>
 Universal Personal Communications Record, 1997. Conference Record.,
 1997 IEEE 6th International Conference on
 Volume: 2 , 1997 , Page(s): 429 -433 vol.2</p> |
| CNF |  |  | <p><u>Control of robots with lightweight links using positive modal feedback</u>
 <i>Sardar, H.M.; Paul, F.W.</i>
 Systems, Man and Cybernetics, 1993. 'Systems Engineering in the Service
 of Humans', Conference Proceedings., International Conference on ,
 1993 , Page(s): 379 -384 vol.5</p> |

CNF



**Linking simulation model specification and parallel execution through
UNITY**

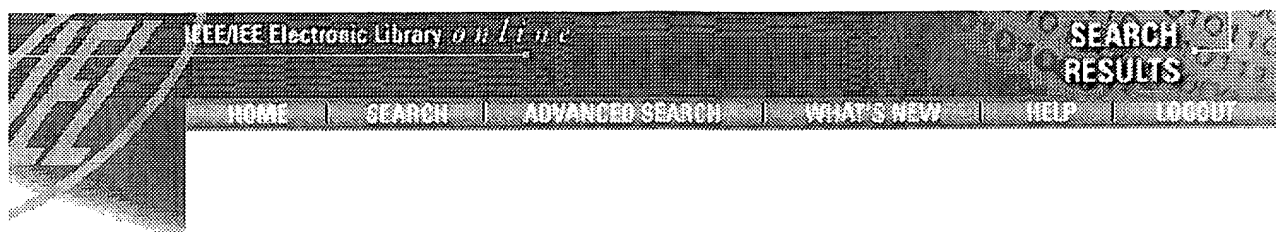
Abrams, M.; Page, E.H.; Nance, R.E.

Simulation Conference, 1991. Proceedings., Winter , 1991 , Page(s): 223 -
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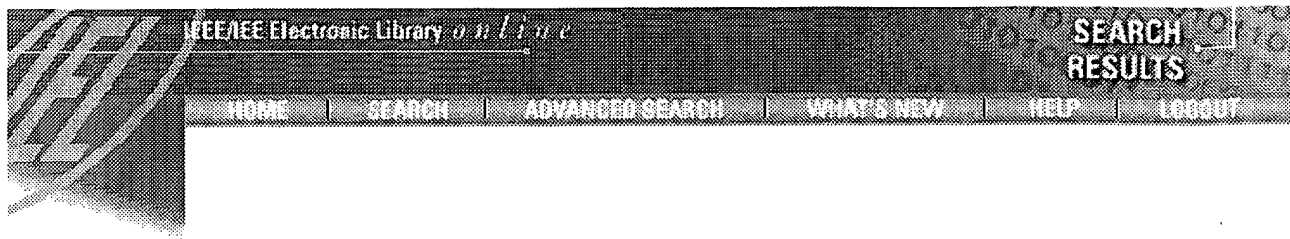
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CNF			<u>Development of a knowledge-based simulator for haemodynamic support of septic shock</u> Ross, J.J.; Mason, D.G.; Paterson, I.G.; Linkens, D.A.; Edwards, N.D. Simulation in Medicine (Ref. No. 1998/256), IEE Colloquium on , 1998 , Page(s): 3/1 -3/4
CNF			<u>Improved techniques for rotor fault detection in three-phase induction motors</u> Watson, J.F.; Paterson, N.C. Industry Applications Conference, 1998. Thirty-Third IAS Annual Meeting. The 1998 IEEE Volume: 1 , 1998 , Page(s): 271 -277 vol.1
CNF			<u>The use of finite element methods to improve techniques for the early detection of faults in 3-phase induction motors</u> Watson, J.F.; Paterson, N.C.; Dorrell, D.G. Electric Machines and Drives Conference Record, 1997. IEEE International , 1997 , Page(s): WB3/9.1 -WB3/9.3
CNF			<u>Bias and temperature dependent noise modeling of HBTs</u> Daniel, T. Microwave Symposium Digest, 1997., IEEE MTT-S International Volume: 3 , 1997 , Page(s): 1469 -1472 vol.3
CNF			<u>DC and high frequency models for heterojunction bipolar transistors</u> Daniel, T.; Tayrani, R. Gallium Arsenide Integrated Circuit (GaAs IC) Symposium, 1996. Technical Digest 1996., 18th Annual , 1996 , Page(s): 299 -302
CNF			<u>Importance sampling for the efficient simulation of adaptive systems in frequency nonselective slow Rayleigh fading</u> Al-Qaq, W.A.; Townsend, J.K. Global Telecommunications Conference, 1994. GLOBECOM '94. Communications: The Global Bridge., IEEE Volume: 3 , 1994 , Page(s): 1435 -1440 vol.3

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| CNF |  |  | <p><u>Designing SAW resonators and DRO oscillators using nonlinear CAD tools</u>
 <i>Rohde, U.L.</i>
 Frequency Control Symposium, 1995. 49th., Proceedings of the 1995 IEEE International , 1995 , Page(s): 379 -396</p> |
| CNF |  |  | <p><u>Intelligent automation of industrial machines</u>
 <i>Choudhary, S.; Jha, N.K.</i>
 Industrial Electronics, Control, and Instrumentation, 1993. Proceedings of the IECON '93., International Conference on , 1993 , Page(s): 475 - 480 vol.1</p> |
| CNF |  |  | <p><u>Derivation and performance of a pipelined transaction processor</u>
 <i>Bennett, A.J.; Kelly, P.H.J.; Paterson, R.A.</i>
 Parallel and Distributed Processing, 1994. Proceedings. Sixth IEEE Symposium on , 1994 , Page(s): 178 -185</p> |
| CNF |  |  | <p><u>A stochastic optimization algorithm based on Newton-type method</u>
 <i>Maheshwari, S.</i>
 Decision and Control, 1989., Proceedings of the 28th IEEE Conference on , 1989 , Page(s): 904 -906 vol.1</p> |
| CNF |  |  | <p><u>Analysis of multiple coupled microstrip discontinuities for microwave and millimeter wave integrated circuits</u>
 <i>Hill, A.</i>
 Microwave Symposium Digest, 1991., IEEE MTT-S International , 1991 , Page(s): 1091 -1094 vol.3</p> |
| CNF |  |  | <p><u>Yield optimization of a MMIC distributed amplifier using physically-based device models</u>
 <i>Gilmore, R.J.; Eron, M.; Zhang, T.</i>
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 <i>Al-Qaq, W.A.; Townsend, J.K.</i>
 Selected Areas in Communications, IEEE Journal on Volume: 15 4 , May 1997 , Page(s): 614 -625</p> |
| PER |  |  | <p><u>Efficient decoding algorithms for generalized Reed-Muller codes</u>
 <i>Paterson, K.G.; Jones, A.E.</i>
 Communications, IEEE Transactions on Volume: 48 8 , Aug. 2000 , Page(s): 1272 -1285</p> |
| PER |  |  | <p><u>Spectral domain technique using surface wave excitation for the analysis of interconnects</u>
 <i>Petre, P.; Swaminathan, M.</i>
 Microwave Theory and Techniques, IEEE Transactions on Volume: 42 9 1-2 , Sept. 1994 , Page(s): 1744 -1749</p> |



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L1 ANSWER 1 OF 4 USPATFULL

ACCESSION NUMBER: 2000:142099 USPATFULL
TITLE: Methods for treating bipolar mood disorder associated
with markers on chromosome 18q
INVENTOR(S): Freimer, Nelson B., San Francisco, CA, United States
Sandkuijl, Lodewijk, Delft, Netherlands
Leon, Pedro, San Jose, Costa Rica
Reus, Victor I., San Francisco, CA, United States
Escamilla, Michael, San Francisco, CA, United States
McInnes, Lynne Allison, San Francisco, CA, United
States
PATENT ASSIGNEE(S): The Regents of the University of California, Oakland,
CA, United States (U.S. corporation)
The University of Costa Rica, San Jose, Costa Rica
(non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6136532	20001024
APPLICATION INFO.:	US 1997-976752	19971124 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-824976, filed on 27 Mar 1997, now abandoned	

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-14498	19960329 (60)
	US 1996-23438	19960823 (60)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Fredman, Jeffrey	
ASSISTANT EXAMINER:	Einsmann, Juliet C.	
LEGAL REPRESENTATIVE:	Francis, Carol L.; Borden, Paula A.Bozicevic, Field & Francis LLP	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	1473	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to methods of detecting the presence
of a bipolar mood disorder susceptibility locus in an individual,
comprising analyzing a sample of DNA for the presence of a DNA
polymorphism on the long arm of chromosome 18 between markers D18S469

and D18S554, wherein the DNA polymorphism is associated with a form of bipolar mood disorder. The invention for the first time provides strong evidence of a susceptibility gene for bipolar mood disorder that is located in the 18q22-q23 region of the long arm of chromosome 18. The disclosure describes the use of linkage analysis and genetic markers in this 18q22-q23 region to fine map the region and the use of genetic markers to genetically diagnose (genotype) bipolar mood disorder in individuals, to confirm phenotypic diagnoses of bipolar mood disorder, to determine appropriate treatments for patients with particular genotypic subtypes. Isolated polynucleotides useful for genetic linkage analysis of BP-I and methods for obtaining such isolated polynucleotides are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 2 OF 4 INSPEC COPYRIGHT 2000 FIZ KARLSRUHE

ACCESSION NUMBER: 1995:5096020 INSPEC

DOCUMENT NUMBER: A9523-6170T-010

TITLE: Defects from implantation in silicon by linked Marlowe-molecular dynamics calculations.

AUTHOR: Jaraiz, M.; Gilmer, G.H.; Stock, D.M. (AT&T Bell Labs., Murray Hill, NJ, USA); Diaz de la Rubia, T.

SOURCE: Nuclear Instruments & Methods in Physics Research, Section B (Beam Interactions with Materials and

Atoms)

(Aug. 1995) vol.B102, no.1-4, p.180-2. 4 refs.

Price: CCCC 0168-583X/95/\$09.50

CODEN: NIMBEU ISSN: 0168-583X

Conference: Second International Conference on Computer Simulation of Radiation Effects in Solids. Santa Barbara, CA, USA, 24-29 July 1994

DOCUMENT TYPE: Conference Article; Journal

TREATMENT CODE: Theoretical

COUNTRY: Netherlands

LANGUAGE: English

DN A9523-6170T-010

AB We are developing a full set of complementary software tools for silicon process simulation, including ion-implantation damage and diffusion. As a first step in this direction we have developed and tested an interface between Marlowe and MD which makes it possible to generate a high energy cascade, using Marlowe to a certain minimum cutoff energy (E_c), and then feed a portion of that cascade into the MD simulator to carry on the simulation within the MD frame. In order to assess the results obtained using Marlowe linked to MD we have simulated 1 keV cascades using Marlowe with a cutoff energy $E_c=200$ eV, followed by a 100 fs MD simulation, and compared the final configuration with that obtained using MD only. Binary collisions tend to over-estimate range and cascade volume. Since the difference arises in the low energy part of the trajectories the performance of the Marlowe-MD **linked simulation** greatly improves for higher E_c values.

L1 ANSWER 3 OF 4 INSPEC COPYRIGHT 2000 IEE

ACCESSION NUMBER: 1995:4970988 INSPEC

DOCUMENT NUMBER: B9507-7970-004; C9507-7150-008

TITLE: A sampling of electronic warfare simulators.

AUTHOR: Herskovitz, D.

SOURCE: Journal of Electronic Defense (Dec. 1994) vol.17, no.12, p.56-66. 0 refs.

CODEN: JELDER ISSN: 0192-429X

DOCUMENT TYPE: Journal

TREATMENT CODE: General Review

COUNTRY: United States

LANGUAGE: English

DN B9507-7970-004; C9507-7150-008

AB Atlantic Resolve 94 was the first multinational, computer-linked simulation exercise. Computers were connected at various locations throughout Europe and the continental United States to control the venture. Actual troop maneuvers involved creating a combined joint task force to enhance allied command and control and land, sea and air force interoperability. Although not at the grand, strategic level of Atlantic Resolve 94, EW simulators are being used in almost every imaginable tactical situation. Simulator applications vary from research and development activities in the laboratory to system test and evaluation in anechoic chambers and test ranges to testing of installed systems in ground-based settings, on the flight line, in airborne situations or on board naval vessels. In addition, simulators are used in training activities and are essential in repair and upgrade activities. The author presents a survey of simulation basics and simulator categories.

L1 ANSWER 4 OF 4 INSPEC COPYRIGHT 2000 IEE

ACCESSION NUMBER: 1993:4431403 INSPEC

DOCUMENT NUMBER: C9308-1290H-002

TITLE: **Linked simulation** of land use and transportation systems: developments and experience

in

the Puget Sound region.

AUTHOR: Watterson, W.T. (Watterson West Group Inc., Seattle, WA, USA)

SOURCE: Transportation Research, Part A (Policy and Practice) (May 1993) vol.27A, no.3, p.193-206. 18 refs.

CODEN: TRPPEC ISSN: 0191-2607

DOCUMENT TYPE: Journal

TREATMENT CODE: Theoretical

COUNTRY: United Kingdom

LANGUAGE: English

DN C9308-1290H-002

AB Strategies to reduce motor vehicle travel by altering urban spatial structure are one piece of a comprehensive program to slow global

warming.

While the connections between urban spatial form and urban travel have long been recognized, there have been few attempts in the United States

to

model the interactions within the context of a public planning program in an urban region. One such effort, the Vision 2020 plan in the Seattle region, is described. The modeling tools utilized widely available travel and land-use models, applied interactively. A wide range of variables, transportation facility investments, demand management measures and land-use controls, were grouped into identifiable long-term alternatives. The analysis suggested some ambiguity in the ability to model the processes, particularly within a highly political planning program, and indicated rather modest effects of land-use changes on reducing urban travel over 20 to 30 years. Land use and demand management were most effective when supported by significant investment in facilities, including transit. Although attempting to alter urban spatial structure may not be the most cost-effective place to seek reductions in vehicular emissions over this period of time, planning programs like Seattle's may be an opportunity to mold less travel-dependent urban regions for the

next

century.

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